

State FFA Floriculture 2000
Career Development Event
General Knowledge Section

DIRECTIONS: Select the best answer and mark your selection on the separate answer sheet provided. Using a #2 pencil, black out completely the letter that corresponds to the best answer for each question.

1. Pinching is a process that:
 - a. reduces space requirements
 - b. promotes flowering
 - c. promotes branching
 - d. reduces disease problems

2. Which of the following is a growth regulator?
 - a. Marathon
 - b. Sevin
 - c. B-Nine
 - d. Orthene

3. Which of the following is not generally used as a potted crop?
 - a. Snapdragons
 - b. Mums
 - c. Hydrangea
 - d. Gerbera Daisy

4. Which of the following is primarily used as a cut flower crop?
 - a. Iris
 - b. Statice
 - c. Lillies
 - d. All of the above

5. Identify the flower considered a line flower:
 - a. Liatris
 - b. Carnation
 - c. Alstromeria
 - d. Baby's Breath

6. Large leaves are often removed from a germanium plant in late winter to:
 - a. Permit more light to reach young growth
 - b. Reduce space requirements
 - c. Reduce disease problems
 - d. Force the plant to set bud

7. A shade cloth is pulled over a greenhouse to:
 - a. improve bud count
 - b. increase temperature
 - c. elongate stems for taller plants

8. An insecticide should never be used in the same sprayer that has been used to apply:
 - a. miticides
 - b. Herbicides
 - c. Fungicides
 - d. None of the above

9. A cultivated variety is referred to as a:
 - a. mutation

- b. wild variety
- c. cultivar
- d. vegetable variety

10. How many extra plants would you order if you need 300, but you place an order for 5% extra, just in case some dies or get damaged?

- a. 315
- b. 15
- c. 5
- d. 305

11. Which of the following should not be used as a bedding plant in Georgia in June?

- a. begonia
- b. pansy
- c. salvia
- d. zinnia

12. PPM is...

- a. parts per million
- b. parts per month
- c. pesticides per million
- d. none of the above

13. Which of the following is an organic material?

- a. leaves
- b. landscape fabric
- c. clay pot
- d. none of the above

14. The best time to prune azaleas is...

- a. just after flowering
- b. year round
- c. late winter
- d. all of the above

15. How many pounds of nitrogen are in a 100 pound bag 10-15-10?

- a. 10
- b. 15
- c. 5
- d. none of the above

16. Stem cuttings are used to propagate

- a. peppers
- b. poinsettias
- c. boston ferns
- d. all of the above

17. Ventilation is necessary in a greenhouse to...

- a. regulate temperature
- b. adjust the temperature
- c. provide air movement
- d. all of the above

18. Most bedding plants are sexually propagated by...

- a. leaf cutting
- b. tissue culture

- c. division
 - d. none of the above
19. Which of the following are common colors of poinsettias?
- a. red, pink, white
 - b. red, yellow, orange
 - c. red, white, blue
 - d. pink, white, variegated
20. The process by which the energy of sunlight is converted into chemical energy by green plants is known as:
- a. phototropism
 - b. photosynthesis
 - c. photoperiodism
 - d. transpiration
21. 10-10-10 is an example of:
- a. type of insurance
 - b. payment plan
 - c. fertilizer analysis
 - d. greenhouse bench design
22. Fluorescent bulbs...
- a. are heat producing bulbs that emit light in the red spectrum
 - b. bloom in the spring
 - c. provide the best artificial light source
 - d. none of that above
23. Martha Stewart would like for you to choose a filler for her table arrangements. Which of the following is a filler?
- a. snapdragons
 - b. statice
 - c. leather leaf
 - d. ruscus
24. What is IPM?
- a. a type of pest management
 - b. good practice
 - c. integrated pest arrangement
 - d. all of the above
25. Chilling damage to tropical plants occurs at what temperature?
- a. 28 to 32
 - b. 35 to 45
 - c. 30 to 35
 - d. none of the above
26. _____ is know as the father of modern genetics.
- a. Henry C. Grosoolose
 - b. John Martin
 - c. Gregor Mendel
 - d. Carolus Linnaeus
27. The growing, harvesting, storing, processing, and marketing of fruits and nuts...
- a. oleriiculture
 - b. floriculture

- c. pomolgy
 - d. none of the above
28. Occurs when wind, insects, or animals transfer pollen grains from the anther to the stigma...
- a. germinization
 - b. fertilization
 - c. pollination
 - d. none of the above
29. Transports water and nutrients from roots to other parts of the plant...
- a. xylem
 - b. phloem
 - c. pith
 - d. cambium
30. Bearded iris have what type of roots?
- a. coms
 - b. tubers
 - c. bulbs
 - d. rhizomes
31. Which crop produces stolons?
- a. onions
 - b. strawberries
 - c. irish potato
 - d. none of the above
32. Which of the following plants produce adventitious roots?
- a. English ivy, heart leaf philodendron
 - b. Tomato, peppers
 - c. Peace lilly, jade plant
 - d. Snak plant, aloe
33. _____ plays an important role in getting Easter lilies to flower on time.
- a. day length
 - b. pot size
 - c. temperature
 - d. all of the above
34. A greenhouse cooling system where large exhaust fans draw air through a moistened pad mounted on the opposite end of the structure is called...
- a. evaporative cooling
 - b. air conditioning
 - c. humidity cooling
 - d. none of the above
35. Molluscicide is used to control...
- a. snakes
 - b. spiders
 - c. slugs
 - d. moles
36. Identify the signal words that may be used on a pesticide label...
- a. danger, warning, caution
 - b. poison, lethal, caution
 - c. warning, deadly, dangerous

- d. none of the above
37. BPM is...
- a. better made plastic
 - b. best management practices
 - c. best planted on Mondays
 - d. none of the above
38. What is a chemical messenger produced by plant tissue that controls plant growth?
- a. hormones
 - b. ethylene
 - c. phosfon
 - d. floral
39. Hardiness refers to a plants ability to...
- a. withstand warm temperatures
 - b. withstand cold temperatures
 - c. withstand drought conditions
 - d. withstand wet conditions
40. Percolation is...
- a. preparing coffee for your teacher
 - b. movement of nutrients in a plant
 - c. downward movement of water in the soil
 - d. physical arrangement of soil particles
41. Crushed limesone is added to the soil to...
- a. lower the pH
 - b. raise the pH
 - c. none of the above
 - d. all of the above
42. The type of pot used in plant production depends on what factors?
- a. growth habit of the plants
 - b. where the plants will be used
 - c. color of the container
 - d. none of the above
43. _____ is the most widely usd irrigation system used for potted plants?
- a. hose watering
 - b. tube irrigation
 - c. overhead
 - d. mist system
44. _____ are naturally occurring nutrient materials that are derived from plants or animals.
- a. inorganic fertilizers
 - b. fluoridation
 - c. organic fertilizers
 - d. all of the above
45. Thermoperiodic describes a plants responses to...
- a. changes in day and night temperatures
 - b. changes in day and night length
 - c. length of germination period
 - d. all of the above

46. Bubbles of air enter the end of the cut flower stem and block water movement. What practice(s) may be used to reverse it?
- remove 1 to 2 inches of the stem and place in fresh water
 - re-cut the stems under water
 - none of the above
 - all of the above
47. A floral arrangement is _____ if the two halves are equal in size and shape.
- asymmetrical
 - symmetrical
 - balanced
 - harmony
48. Floral arrangements should be...
- 1 ~~time~~ times as tall as the container
 - 2 ~~times~~ times as tall as the container
 - As wide as it is tall
 - 2 times as tall as the container
49. Which of the following plants may be reproduced by using leaf blade cuttings?
- rex begonia
 - strawberry
 - marigold
 - vinca
50. Indirect seeding is...
- planted at school
 - planted in germination media and transplanted
 - seeds carried by the wind
 - none of the above